WO9709049A2: METHOD FOR EFFECTING VASODILATION WITH (1,5-INTER)ARYL PROSTAGLANDIN DERIVATIVES

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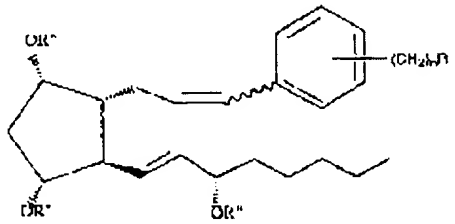
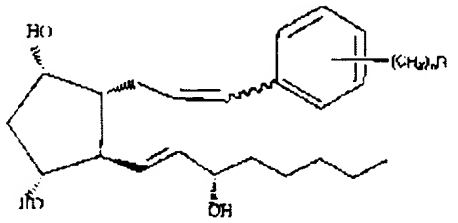
The present invention provides a method of effecting vasodilation, comprising: administering to a warm blooded animal in need of such treatment, an effective amount of (1,5-inter)aryl prostaglandin derivative represented by formula (I), wherein n is 0 or an integer of from 1 to 6, R is selected from the group of radicals represented by the formulae CO2R', CONR'2, CH2OR' and SO2NR'2', wherein R' is hydrogen or a lower alkyl radical having fromone to six carbon atoms; R'' is hydrogen or an acyl radical having the formula: (CO)R''' wherein R''' is a saturated or unsarurated acyclic hydrocarbon radical having from 1 to about 10 carbon atoms, or -(CH2)mR'''' wherein m is 0 or an integer of from 1 to 6 and R'''' is an aliphatic ring having from 3 to 7 carbon atoms or an aryl group, e.g. phenyl, or a heteroaryl group, e.g. thienyl, furanyl or pyridyl, and preferably R''' is a lower alkyl group having from 1 to 6 carbon atoms; the hatched triangular segments represent alpha oriente bonds, the solid triangular segments represent beta oriented bonds and the wavy segmen represent bonds that may be in either thecis or trans orientation. More preferably said (1,5 inter)aryl prostaglandin derivative is a compound represented by formula (II). Most preferably, said (1,5-inter)aryl prostaglandin derivative is a compound of formula (II) wherein R is CO2R', R' is hydrogen and n is 0.
[Show "fr" Abstract]

Representative image



(I)



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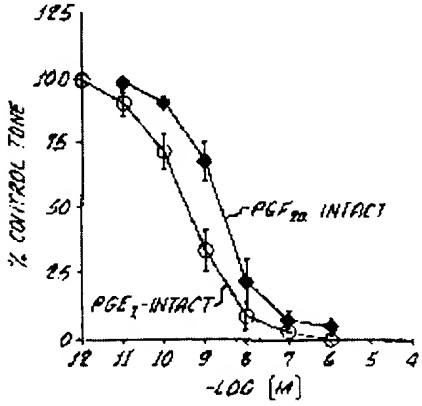

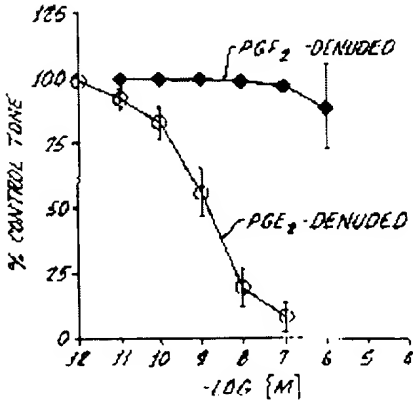

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Foreign References: **none**

(No patents reference this one)